

AMBIKA BUMB

NIH-Oxford and Marshall Scholar 2005

Degree: Georgia Institute of Technology: B.S., Biomedical Engineering, 2005

Research Area: Nanotechnology for Drug Delivery



Ambika Bumb earned her B.S. degree in Biomedical Engineering from Georgia Institute of Technology in 2005 with Honors and a perfect 4.0 GPA. She received a full scholarship from Georgia Tech as well as numerous awards and Scholarships due to her exceptional talent in leadership and outstanding academic performance. She received Henry Ford II Scholar Award, 2003 & 2004 Women in Engineering Excellence Award, Omicron Delta Kappa Award for Outstanding Freshmen Leadership, Akamai Foundation Award of the Mathematical Foundation of America, National Merit Scholarship, Sirrine Scholarship and Robert C. Byrd Honors Scholarship. She's one of the five students who received the 2005 E. Jo Baker President's Scholar Award from the state of Georgia. She carried out laboratory research with Dr. Gang Bao and Dr. Barbara Boyan in the Wallace H. Coulter Department of Biomedical Engineering at the Georgia Institute of Technology and Emory University. Her work focused on the development and application of tracking devices in bone and cartilage research, especially the newly emerging quantum dot (QD) technology. She is the recipient of the scholarship from Oriel College, Oxford. During her doctoral work, she says, "with the unparalleled international experience of the NIH-Marshall program, I hope to be able to become a researcher who can deliver medical advances into the hands of patients."